Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/09/2021 11:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124165	-1	2.23	124125	2.27
Blue	F	SSC	125000	122774	-2	4.04	123257	4.05
Blue	E	FITC	14400	13973	-3	2.94	322	15.68
Blue	D	PE	24713	24261	-2	2.42	554	11.00
Blue	B	PerCP-Cy5-5	31796	31168	-2	3.65	1029	14.93
Blue	A	PE-Cy7	21240	21121	-1	5.85	563	29.50
Red	C	APC	41319	40378	-3	3.54	1683	11.41
Red	A	APC-Cy7	21019	20308	-4	3.83	765	11.74
Violet	B	V450	7305	7034	-4	3.74	428	12.29
Violet	A	V500	28652	27736	-4	3.23	695	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23383	2.22	568	-1	N/A	N/A	Pass
Blue	F	SSC	56920	2.68	520	8	N/A	N/A	Pass
Blue	E	FITC	59	52.95	495	4	0.0399	41	Pass
Blue	D	PE	116	37.97	492	5	0.4210	342	Pass
Blue	B	PerCP-Cy5-5	190	35.41	589	5	0.0187	10	Pass
Blue	A	PE-Cy7	113	68.57	637	7	0.0217	2	Pass
Red	C	APC	387	23.87	575	2	0.0291	194	Pass
Red	A	APC-Cy7	171	26.96	546	1	0.0063	833	Pass
Violet	B	V450	60	60.89	452	-4	0.0625	2117	Pass
Violet	A	V500	99	32.23	466	-4	0.0264	565	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.30	1.08
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	18.89	15.99 - 23.99	N/A	N/A	29.72	30.01	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14123

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments